

# INTERNATIONAL SEARCH REPORT

International Application No

PCT 03/11294

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B32B17/10 B32B31/00 B29C67/24 C08K5/00 C08K9/04

17 MAR 2005

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B32B B29C C08K C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 456 984 A (BISHOP TIMOTHY E ET AL) 10 October 1995 (1995-10-10) cited in the application column 1, line 48 - line 67; claim 7 ---	12-15, 18-20
X	WO 98 36325 A (TAKAHASHI TOSHIHIKO ; FURUTA RYOJI (JP); JSR CORP (JP); TAKASI HIDE) 20 August 1998 (1998-08-20) page 26, line 18 - line 27; claim 1 ---	12-15, 18-20
A	---	1-3
X	US 5 496 870 A (IGARASHI KATSUTOSHI ET AL) 5 March 1996 (1996-03-05) column 4, line 27 column 8, line 23 column 16, line 40; claims 1,17 --- -/--	12-15, 18-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

29 January 2004

Date of mailing of the international search report

04/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Van Nieuwenhuize, O

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11294

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 74826 A (DEN BERGEN HUGUES VAN ; VANOVERVELT JEAN CLAUDE (BE); UCB SA (BE)) 11 October 2001 (2001-10-11) cited in the application example 1	1-15, 17-20
A	WO 98 45344 A (DSM NV ; SULLIVAN MICHAEL GORDON (US); LAPIN STEPHEN (US); KRONGAUZ) 15 October 1998 (1998-10-15) page 9, line 12 - line 23 page 20, paragraph 2	1,7,12, 14,19,20
A	US 3 549 478 A (RABENOLD RONALD R ET AL) 22 December 1970 (1970-12-22) column 6, paragraph 1 - column 8, paragraph 61	1,11
A	EP 0 500 317 A (PILKINGTON PLC) 26 August 1992 (1992-08-26) cited in the application claim 25	1
A	WO 00 22039 A (HARTMANN EBERHARD ; HALLER HEINZ (DE); MEHNERT REINER (DE); GLAESEL) 20 April 2000 (2000-04-20) claim 1	10
A	WO 02 070587 A (VAN DEN BERGEN HUGUES ; UCB SA (BE)) 12 September 2002 (2002-09-12) the whole document	12-20
A	WO 99 67794 A (JASNE STANLEY J ; SHIPLEY CO LLC (US)) 29 December 1999 (1999-12-29) claims 25-35	12
A	US 6 242 506 B1 (FAN MINGXIN ET AL) 5 June 2001 (2001-06-05) cited in the application claim 1	12
A	US 4 842 942 A (YATSUKA TAKESHI ET AL) 27 June 1989 (1989-06-27) claim 1	12
A	US 2002/004537 A1 (RAMPURIA SANGEETA ET AL) 10 January 2002 (2002-01-10) paragraph '0098! - paragraph '0112!	12
A	EP 0 754 728 A (HOECHST AG) 22 January 1997 (1997-01-22) claim 1	12
	-/--	

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/93/11294

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	WO 03 042291 A (RIVIERE JEAN ANDRE ALFRED ; STEVENS PHILIPPE ERIC (BE); DE VELDER H) 22 May 2003 (2003-05-22) claim 1	16
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 08, 6 October 2000 (2000-10-06) & JP 2000 129089 A (SUMITOMO BAKELITE CO LTD), 9 May 2000 (2000-05-09) abstract	16

# INTERNATIONAL SEARCH REPORT

- information on patent family members

International Application No

PCT 03/11294

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5456984	A	10-10-1995	US 5389439 A	14-02-1995
			AU 687085 B2	19-02-1998
			AU 7468394 A	06-02-1995
			CA 2166716 A1	19-01-1995
			DE 69413821 D1	12-11-1998
			DE 69413821 T2	17-06-1999
			EP 0707606 A1	24-04-1996
			JP 8512346 T	24-12-1996
			WO 9502004 A1	19-01-1995
WO 9836325	A	20-08-1998	CN 1252136 T	03-05-2000
			EP 0960355 A1	01-12-1999
			JP 10287718 A	27-10-1998
			WO 9836325 A1	20-08-1998
			US 6440519 B1	27-08-2002
US 5496870	A	05-03-1996	JP 2893135 B2	17-05-1999
			JP 4154828 A	27-05-1992
			CA 2094239 A1	20-04-1992
			DE 69130173 D1	15-10-1998
			DE 69130173 T2	02-06-1999
			EP 0554404 A1	11-08-1993
			WO 9206846 A1	30-04-1992
WO 0174826	A	11-10-2001	AU 7390801 A	15-10-2001
			CA 2404671 A1	11-10-2001
			CN 1426417 T	25-06-2003
			WO 0174826 A1	11-10-2001
			EP 1272497 A1	08-01-2003
			JP 2003529644 T	07-10-2003
WO 9845344	A	15-10-1998	AT 252609 T	15-11-2003
			CN 1259146 T	05-07-2000
			DE 69819143 D1	27-11-2003
			EP 0973815 A1	26-01-2000
			JP 2001519844 T	23-10-2001
			WO 9845344 A1	15-10-1998
			US 6265476 B1	24-07-2001
US 3549478	A	22-12-1970	NONE	
EP 0500317	A	26-08-1992	AT 204312 T	15-09-2001
			AU 654693 B2	17-11-1994
			AU 1097392 A	27-08-1992
			DE 69231997 D1	20-09-2001
			EP 0500317 A2	26-08-1992
			GB 2255560 A , B	11-11-1992
			HK 55197 A	09-05-1997
			JP 2985912 B2	06-12-1999
			JP 5059261 A	09-03-1993
			US 5397645 A	14-03-1995
			ZA 9201162 A	30-12-1992
WO 0022039	A	20-04-2000	DE 19846659 A1	20-04-2000
			CA 2346779 A1	20-04-2000
			DE 59908133 D1	29-01-2004
			WO 0022039 A1	20-04-2000
			EP 1119589 A1	01-08-2001

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP03/11294

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0022039	A		US 6663952 B1	16-12-2003
WO 02070587	A	12-09-2002	EP 1238997 A1	11-09-2002
			CA 2440256 A1	12-09-2002
			WO 02070587 A1	12-09-2002
			EP 1370603 A1	17-12-2003
WO 9967794	A	29-12-1999	US 2001014399 A1	16-08-2001
			WO 9967794 A1	29-12-1999
US 6242506	B1	05-06-2001	NONE	
US 4842942	A	27-06-1989	JP 1635801 C	31-01-1992
			JP 2056727 B	03-12-1990
			JP 61048122 A	08-03-1986
			JP 1637580 C	31-01-1992
			JP 3001727 B	11-01-1991
			JP 61077134 A	19-04-1986
			DE 3529225 A1	27-02-1986
US 2002004537	A1	10-01-2002	CN 1398410 T	19-02-2003
			EP 1086471 A1	28-03-2001
			JP 2002513987 T	14-05-2002
			WO 9957733 A1	11-11-1999
			CN 1303422 T	11-07-2001
			EP 1082398 A1	14-03-2001
			JP 2002509977 T	02-04-2002
			WO 9950368 A1	07-10-1999
			TW 530187 B	01-05-2003
EP 0754728	A	22-01-1997	DE 19525714 C1	03-07-1997
			DE 19622125 A1	04-12-1997
			EP 0754728 A1	22-01-1997
			JP 9104804 A	22-04-1997
WO 03042291	A	22-05-2003	EP 1312638 A1	21-05-2003
			WO 03042291 A1	22-05-2003
JP 2000129089	A	09-05-2000	JP 3400363 B2	28-04-2003